

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|-------------------------------------------------------------------------|-----------------|------------------|---------|------------------|
| L1 | 1 | "375"/229.ccls. and (filter\$5 adj model\$5) and (distorted adj signal) | US-PGPUB; USPAT | OR | ON | 2005/10/27 08:39 |
| L2 | 6 | "375"/229.ccls. and (filter\$5 adj model\$5) | US-PGPUB; USPAT | OR | ON | 2005/10/27 08:40 |
| L3 | 2 | "375"/230.ccls. and (filter\$5 near model\$5) | US-PGPUB; USPAT | OR | ON | 2005/10/27 08:41 |
| L4 | 6 | "375"/231.ccls. and (filter\$5 near model\$5) | US-PGPUB; USPAT | OR | ON | 2005/10/27 08:42 |
| L5 | 1 | "375"/231.ccls. and (track\$5 with (distorted)) | US-PGPUB; USPAT | OR | ON | 2005/10/27 08:42 |
| L6 | 1 | "375"/230.ccls. and (track\$5 with (distorted)) | US-PGPUB; USPAT | OR | ON | 2005/10/27 08:43 |
| L7 | 0 | "375"/229.ccls. and (track\$5 with (distorted)) | US-PGPUB; USPAT | OR | ON | 2005/10/27 08:43 |
| L8 | 4 | "375"/232.ccls. and (track\$5 with (distorted)) | US-PGPUB; USPAT | OR | ON | 2005/10/27 08:44 |
| L9 | 8 | "375"/232.ccls. and (tracking adj circuit) | US-PGPUB; USPAT | OR | ON | 2005/10/27 08:44 |
| L10 | 8 | "375"/232.ccls. and (tracking adj circuit) and filter | US-PGPUB; USPAT | OR | ON | 2005/10/27 08:44 |
| L11 | 5 | "375"/233.ccls. and (tracking adj circuit) and filter | US-PGPUB; USPAT | OR | ON | 2005/10/27 08:45 |
| L12 | 0 | "375"/236.ccls. and (tracking adj circuit) and filter | US-PGPUB; USPAT | OR | ON | 2005/10/27 08:45 |
| L13 | 12 | "375"/236.ccls. and (track\$5) | US-PGPUB; USPAT | OR | ON | 2005/10/27 08:46 |
| L14 | 0 | "375"/236.ccls. and ((track\$5) with (distorted adj signal)) | US-PGPUB; USPAT | OR | ON | 2005/10/27 08:47 |
| L15 | 3 | "375"/\$.ccls. and ((track\$5) with (distorted adj signal)) | US-PGPUB; USPAT | OR | ON | 2005/10/27 08:47 |
| L16 | 1 | "455"/\$.ccls. and ((track\$5) with (distorted adj signal)) | US-PGPUB; USPAT | OR | ON | 2005/10/27 08:48 |
| L17 | 0 | "708"/\$.ccls. and ((track\$5) with (distorted adj signal)) | US-PGPUB; USPAT | OR | ON | 2005/10/27 08:48 |
| L18 | 15 | ((track\$5) with (distorted adj signal)) | US-PGPUB; USPAT | OR | ON | 2005/10/27 08:49 |
| L19 | 88 | (digital adj filter) same (filter adj model\$5) | US-PGPUB; USPAT | OR | ON | 2005/10/27 08:57 |
| L20 | 7 | (tracking) with model\$5 with (digital adj filter) | US-PGPUB; USPAT | OR | ON | 2005/10/27 09:00 |
| L21 | 1 | "3034197".pn. | US-PGPUB; USPAT | OR | ON | 2005/10/27 09:01 |
| L22 | 1 | "4899304".pn. | US-PGPUB; USPAT | OR | ON | 2005/10/27 09:01 |

| | | | | | | |
|-----|------|-------------------------------------------------------------------------------------------|--------------------|----|----|------------------|
| L23 | 1 | "4722066".pn. | US-PGPUB; USPAT | OR | ON | 2005/10/27 09:02 |
| L24 | 1833 | "708"/\$.ccls. and (digital adj filter) | US-PGPUB; USPAT | OR | ON | 2005/10/27 09:02 |
| L25 | 0 | "708"/\$.ccls. and (digital adj filter) same (modeler) | US-PGPUB; USPAT | OR | ON | 2005/10/27 09:02 |
| L26 | 11 | "708"/\$.ccls. and ((digital adj filter) same (filter adj model\$5)) | US-PGPUB; USPAT | OR | ON | 2005/10/27 09:07 |
| L27 | 28 | ((equalizer) same (equalizer adj model\$5)) | US-PGPUB; USPAT | OR | ON | 2005/10/27 09:12 |
| L28 | 212 | ((feedforward adj equalizer)) | US-PGPUB; USPAT | OR | ON | 2005/10/27 09:12 |
| L29 | 1 | "375"/\$.ccls. and ((feedforward adj equalizer)) with track\$5 with signal | US-PGPUB; USPAT | OR | ON | 2005/10/27 09:13 |
| L30 | 2 | "375"/\$.ccls. and (((feedforward adj equalizer)) with track\$5 with equalizer) | US-PGPUB; USPAT | OR | ON | 2005/10/27 09:14 |
| L31 | 0 | "375"/\$.ccls. and (((feedforward adj equalizer)) same (equalizer adj tracker)) | US-PGPUB; USPAT | OR | ON | 2005/10/27 09:14 |
| L32 | 0 | "375"/\$.ccls. and ((equalizer adj tracker)) | US-PGPUB; USPAT | OR | ON | 2005/10/27 09:14 |
| L33 | 0 | ((equalizer adj tracker)) | US-PGPUB; USPAT | OR | ON | 2005/10/27 09:14 |
| L34 | 19 | ((equalizer near tracker)) | US-PGPUB; USPAT | OR | ON | 2005/10/27 09:15 |
| L35 | 999 | ((equalizer) same channel same track\$5) | US-PGPUB; USPAT | OR | ON | 2005/10/27 09:15 |
| L36 | 408 | ((equalizer) with track\$5 with channel) | US-PGPUB; USPAT | OR | ON | 2005/10/27 09:16 |
| L37 | 19 | ((equalizer) with track\$5 with channel) with (distorted) | US-PGPUB; USPAT | OR | ON | 2005/10/27 09:18 |
| L38 | 1 | ((equalizer) with track\$5 with channel) same (channel with (filter adj model\$5)) | US-PGPUB; USPAT | OR | ON | 2005/10/27 09:19 |
| S1 | 110 | (digital adj filter) and (tracking adj circuit) | US-PGPUB; USPAT | OR | ON | 2005/05/04 09:10 |
| S2 | 1 | 375/350.ccls. and ((digital adj filter) same (tracking adj circuit) same parallel) | US-PGPUB; USPAT | OR | ON | 2005/10/21 10:08 |
| S3 | 1 | 375/350.ccls. and ((digital adj filter) same (tracking adj circuit)) | US-PGPUB; USPAT | OR | ON | 2005/05/03 15:25 |
| S4 | 1 | "375"/\$.ccls. and ((digital adj filter) same (tracking adj circuit) same parallel) | US-PGPUB; USPAT | OR | ON | 2005/05/03 15:24 |

| | | | | | | |
|-----|-----|-------------------------------------------------------------------------------------|--------------------|----|----|------------------|
| S5 | 0 | "327"/\$.ccls. and ((digital adj filter) same (tracking adj circuit) same parallel) | US-PGPUB; USPAT | OR | ON | 2005/05/03 15:24 |
| S6 | 0 | "370"/\$.ccls. and ((digital adj filter) same (tracking adj circuit) same parallel) | US-PGPUB; USPAT | OR | ON | 2005/10/25 16:43 |
| S7 | 0 | "455"/\$.ccls. and ((digital adj filter) same (tracking adj circuit) same parallel) | US-PGPUB; USPAT | OR | ON | 2005/05/03 15:24 |
| S8 | 1 | ((digital adj filter) same (tracking adj circuit) same parallel) | US-PGPUB; USPAT | OR | ON | 2005/05/03 15:24 |
| S9 | 2 | 375/350.ccls. and ((digital adj filter) and (tracking adj circuit)) | US-PGPUB; USPAT | OR | ON | 2005/05/03 15:27 |
| S10 | 1 | 375/350.ccls. and ((distorted adj signal) and (tracking adj circuit)) | US-PGPUB; USPAT | OR | ON | 2005/05/03 15:28 |
| S11 | 11 | ((distorted adj signal) and (tracking adj circuit)) | US-PGPUB; USPAT | OR | ON | 2005/05/03 15:30 |
| S12 | 10 | (track\$5 with (distorted adj signal) and (filter\$6)) | US-PGPUB; USPAT | OR | ON | 2005/05/11 09:55 |
| S13 | 127 | "375"/\$.ccls. and (filter\$5 adj model\$5) | US-PGPUB; USPAT | OR | ON | 2005/05/04 09:29 |
| S14 | 1 | "6373888".pn. | US-PGPUB; USPAT | OR | ON | 2005/05/04 09:12 |
| S15 | 1 | "375"/\$.ccls. and ((filter\$5 adj model\$5) with distorted) | US-PGPUB; USPAT | OR | ON | 2005/05/04 09:29 |
| S16 | 3 | "375"/\$.ccls. and ((filter\$5 adj model\$5) same distorted) | US-PGPUB; USPAT | OR | ON | 2005/05/04 09:31 |
| S17 | 4 | "375"/\$.ccls. and (filter\$5 adj model\$5) and (distorted adj signal) | US-PGPUB; USPAT | OR | ON | 2005/05/04 10:39 |
| S18 | 1 | "6683984".pn. | US-PGPUB; USPAT | OR | ON | 2005/05/04 09:47 |
| S19 | 1 | "6693984".pn. | US-PGPUB; USPAT | OR | ON | 2005/05/04 09:47 |
| S20 | 0 | "375"/296.ccls. and (filter\$5 adj model\$5) and (distorted adj signal) | US-PGPUB; USPAT | OR | ON | 2005/05/04 10:39 |
| S21 | 9 | "375"/296.ccls. and (filter\$5 adj model\$5) | US-PGPUB; USPAT | OR | ON | 2005/05/04 10:42 |
| S22 | 746 | "375"/296.ccls. | US-PGPUB; USPAT | OR | ON | 2005/05/04 10:42 |
| S23 | 155 | "375"/296.ccls. and model\$5 | US-PGPUB; USPAT | OR | ON | 2005/05/04 10:57 |
| S24 | 45 | "375"/296.ccls. and (distorted adj signal) | US-PGPUB; USPAT | OR | ON | 2005/05/04 10:57 |
| S25 | 0 | "375"/296.ccls. and (track\$5 with (distorted adj signal)) | US-PGPUB; USPAT | OR | ON | 2005/05/04 10:57 |

| | | | | | | |
|-----|----|------------------------------------------------------------------------------|-----------------|----|----|------------------|
| S26 | 0 | "375"/296.ccls. and (track\$5 with (distorted)) | US-PGPUB; USPAT | OR | ON | 2005/05/04 10:57 |
| S27 | 10 | (track\$5 with (distorted adj signal) and (filter\$6)) | US-PGPUB; USPAT | OR | ON | 2005/05/11 10:00 |
| S28 | 5 | "5937007" | US-PGPUB; USPAT | OR | ON | 2005/05/11 10:00 |
| S29 | 0 | "375"/236.ccls. and ((filter\$5 adj model\$5) and (distorted adj signal)) | US-PGPUB; USPAT | OR | ON | 2005/05/12 09:36 |
| S30 | 0 | "375"/236.ccls. and ((filter\$5 adj model\$5)) | US-PGPUB; USPAT | OR | ON | 2005/05/12 09:36 |
| S31 | 12 | "375"/236.ccls. and (track\$5) | US-PGPUB; USPAT | OR | ON | 2005/05/12 09:37 |
| S32 | 9 | "375"/236.ccls. and (track\$5) and counter | US-PGPUB; USPAT | OR | ON | 2005/05/12 09:37 |
| S33 | 1 | "375"/231.ccls. and ((filter\$5 adj model\$5) and (distorted adj signal)) | US-PGPUB; USPAT | OR | ON | 2005/05/12 09:40 |
| S34 | 1 | "375"/232.ccls. and ((filter\$5 adj model\$5) and (distorted adj signal)) | US-PGPUB; USPAT | OR | ON | 2005/05/12 09:41 |
| S35 | 3 | "375"/232.ccls. and ((filter\$5 with model\$5) and (distorted adj signal)) | US-PGPUB; USPAT | OR | ON | 2005/05/12 10:11 |
| S36 | 0 | "455"/232.ccls. and ((filter\$5 with model\$5) and (distorted adj signal)) | US-PGPUB; USPAT | OR | ON | 2005/05/12 10:11 |
| S37 | 0 | "455"/232.ccls. and (filter\$5 with model\$5) | US-PGPUB; USPAT | OR | ON | 2005/05/12 10:11 |
| S38 | 4 | "375"/296.ccls. and (forward adj predistort\$5) | US-PGPUB; USPAT | OR | ON | 2005/10/20 16:49 |
| S39 | 27 | "375"/296.ccls. and (forward with predistort\$5) | US-PGPUB; USPAT | OR | ON | 2005/10/21 09:58 |
| S40 | 19 | "375"/296.ccls. and (feedforward with predistort\$5) | US-PGPUB; USPAT | OR | ON | 2005/10/20 16:56 |
| S41 | 42 | "375"/\$.ccls. and (feedforward with predistort\$5) | US-PGPUB; USPAT | OR | ON | 2005/10/20 16:56 |
| S42 | 0 | "375"/\$.ccls. and (feedforward adj predistort\$5 adj filter) | US-PGPUB; USPAT | OR | ON | 2005/10/20 16:56 |
| S43 | 10 | "375"/\$.ccls. and (feedforward adj predistort\$5) | US-PGPUB; USPAT | OR | ON | 2005/10/20 16:56 |
| S44 | 9 | "375"/296.ccls. and (track\$5 with predistort\$5) | US-PGPUB; USPAT | OR | ON | 2005/10/21 10:02 |
| S45 | 20 | "375"/\$.ccls. and (track\$5 with predistort\$5) | US-PGPUB; USPAT | OR | ON | 2005/10/21 10:03 |
| S46 | 0 | "375"/\$.ccls. and ((track\$5 adj circuit) same predistort\$5) | US-PGPUB; USPAT | OR | ON | 2005/10/21 10:04 |
| S47 | 1 | ((track\$5 adj circuit) same predistort\$5) | US-PGPUB; USPAT | OR | ON | 2005/10/21 10:04 |
| S48 | 0 | 375/350.ccls. and ((digital adj filter) same (track\$5 near predistort\$5)) | US-PGPUB; USPAT | OR | ON | 2005/10/21 10:09 |

| | | | | | | |
|-----|-----|---------------------------------------------------------------------------------------|-----------------|----|----|------------------|
| S49 | 0 | "375"/\$.ccls. and ((digital adj filter) same (track\$5 near predistort\$5)) | US-PGPUB; USPAT | OR | ON | 2005/10/21 10:09 |
| S50 | 0 | "375"/\$.ccls. and ((predistort\$5 adj filter) same (track\$5 near predistort\$5)) | US-PGPUB; USPAT | OR | ON | 2005/10/21 10:09 |
| S51 | 0 | "375"/\$.ccls. and ((predistort\$5 near filter) same (track\$5 near predistort\$5)) | US-PGPUB; USPAT | OR | ON | 2005/10/21 10:09 |
| S52 | 0 | ((predistort\$5 near filter) same (track\$5 near predistort\$5)) | US-PGPUB; USPAT | OR | ON | 2005/10/21 10:10 |
| S53 | 110 | (predistort\$5 near filter) | US-PGPUB; USPAT | OR | ON | 2005/10/21 10:10 |
| S54 | 66 | (predistort\$5 adj filter) | US-PGPUB; USPAT | OR | ON | 2005/10/21 10:12 |
| S55 | 1 | (predistort\$5 adj filter) same (track\$5) | US-PGPUB; USPAT | OR | ON | 2005/10/21 10:12 |
| S56 | 14 | "370"/\$.ccls. and ((digital adj filter) with (track\$5)) | US-PGPUB; USPAT | OR | ON | 2005/10/25 16:46 |
| S57 | 1 | "375"/\$.ccls. and (((digital adj filter) with (track\$5)) same (distorted)) | US-PGPUB; USPAT | OR | ON | 2005/10/25 16:47 |
| S58 | 399 | "375"/\$.ccls. and (tracking adj circuit) | US-PGPUB; USPAT | OR | ON | 2005/10/25 16:48 |
| S59 | 1 | "375"/\$.ccls. and ((tracking adj circuit) with model\$5) | US-PGPUB; USPAT | OR | ON | 2005/10/25 16:49 |
| S60 | 1 | "375"/\$.ccls. and ((tracking adj circuit) with delay with widen\$5) | US-PGPUB; USPAT | OR | ON | 2005/10/25 16:49 |
| S61 | 42 | "375"/\$.ccls. and ((tracking adj circuit) with delay) | US-PGPUB; USPAT | OR | ON | 2005/10/25 16:50 |
| S62 | 1 | "375"/\$.ccls. and (((tracking adj circuit) with delay) same (digital adj system)) | US-PGPUB; USPAT | OR | ON | 2005/10/25 16:50 |
| S63 | 1 | "375"/\$.ccls. and (((tracking adj circuit) with delay) same (digital adj filter)) | US-PGPUB; USPAT | OR | ON | 2005/10/25 16:50 |
| S64 | 1 | ((((tracking adj circuit) with delay) same (digital adj filter)) | US-PGPUB; USPAT | OR | ON | 2005/10/25 16:50 |
| S65 | 1 | "375"/\$.ccls. and (((tracking adj circuit) with delay) same (distorted adj signal)) | US-PGPUB; USPAT | OR | ON | 2005/10/25 16:51 |
| S66 | 1 | "375"/\$.ccls. and ((tracking adj circuit) same (distorted adj signal)) | US-PGPUB; USPAT | OR | ON | 2005/10/25 16:55 |
| S67 | 1 | "3609586".pn. | US-PGPUB; USPAT | OR | ON | 2005/10/25 16:56 |
| S68 | 1 | "5937007".pn. | US-PGPUB; USPAT | OR | ON | 2005/10/25 16:56 |
| S69 | 1 | "5602872".pn. | US-PGPUB; USPAT | OR | ON | 2005/10/25 16:57 |

| | | | | | | |
|-----|-----|------------------------------------------------------------------|------------------------------|----|----|------------------|
| S70 | 1 | "5638439".pn. | US-PGPUB; USPAT | OR | ON | 2005/10/25 16:57 |
| S71 | 1 | "375"/\$.ccls. and (widen\$5 adj characteristic\$3) | US-PGPUB; USPAT | OR | ON | 2005/10/26 11:47 |
| S72 | 25 | (widen\$5 adj characteristic\$3) | US-PGPUB; USPAT | OR | ON | 2005/10/26 11:47 |
| S73 | 5 | (digital\$5 adj filter) same (distort\$5 near track\$5) | US-PGPUB; USPAT | OR | ON | 2005/10/26 11:50 |
| S74 | 14 | (digital\$5 adj filter) same (track\$5 adj circuit) | US-PGPUB; USPAT | OR | ON | 2005/10/26 11:53 |
| S75 | 6 | 375/229.ccls. and (track\$5 adj circuit) | US-PGPUB; USPAT | OR | ON | 2005/10/26 11:56 |
| S76 | 0 | 375/229.ccls. and ((track\$5 adj circuit) with distort\$5) | US-PGPUB; USPAT | OR | ON | 2005/10/26 11:56 |
| S77 | 1 | 375/232.ccls. and ((track\$5 adj circuit) with distort\$5) | US-PGPUB; USPAT | OR | ON | 2005/10/26 11:56 |
| S78 | 0 | 375/231.ccls. and ((track\$5 adj circuit) with distort\$5) | US-PGPUB; USPAT | OR | ON | 2005/10/26 11:57 |
| S79 | 0 | 375/230.ccls. and ((track\$5 adj circuit) with distort\$5) | US-PGPUB; USPAT | OR | ON | 2005/10/26 11:57 |
| S80 | 0 | 375/236.ccls. and ((track\$5 adj circuit) with distort\$5) | US-PGPUB; USPAT | OR | ON | 2005/10/26 11:57 |
| S81 | 0 | 375/236.ccls. and ((track\$5 adj circuit)) | US-PGPUB; USPAT | OR | ON | 2005/10/26 11:57 |
| S82 | 12 | 375/236.ccls. and ((track\$5)) | US-PGPUB; USPAT | OR | ON | 2005/10/26 12:03 |
| S83 | 0 | 375/236.ccls. and ((track\$5) with (signal adj distort\$5)) | US-PGPUB; USPAT | OR | ON | 2005/10/26 12:03 |
| S84 | 10 | "375"/\$.ccls. and ((track\$5) with (signal adj distort\$5)) | US-PGPUB; USPAT | OR | ON | 2005/10/26 13:30 |
| S85 | 106 | ((track\$5) with (signal adj distort\$5)) | US-PGPUB; USPAT | OR | ON | 2005/10/26 12:24 |
| S86 | 2 | ((track\$5) with (signal adj distort\$5)) with counter | US-PGPUB; USPAT | OR | ON | 2005/10/26 12:22 |
| S87 | 1 | "6317396".pn. | US-PGPUB; USPAT | OR | ON | 2005/10/26 12:24 |
| S88 | 2 | ("6014354" "6249494").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/26 13:16 |
| S89 | 1 | "3600568".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/26 13:16 |
| S90 | 1 | "4899304".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/26 13:16 |

| | | | | | | |
|-----|-----|--------------------------------------------------------------------------|-----------------|----|----|------------------|
| S91 | 33 | "375"/\$.ccls. and ((model\$8) with (signal adj distort\$5)) | US-PGPUB; USPAT | OR | ON | 2005/10/26 13:22 |
| S92 | 26 | (digital adj filter) and ((model\$8) with (signal adj distort\$5)) | US-PGPUB; USPAT | OR | ON | 2005/10/26 13:22 |
| S93 | 425 | "375"/\$.ccls. and (filter same coefficient same model\$7) | US-PGPUB; USPAT | OR | ON | 2005/10/26 13:30 |
| S94 | 44 | "375"/\$.ccls. and ((digital adj filter) same coefficient same model\$7) | US-PGPUB; USPAT | OR | ON | 2005/10/26 13:31 |